

Please type a plus sign (+) inside this box → ☒

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

10/6360385  
08/06/03**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	MI22-2194
First Inventor	Gurtej S. Sandhu
Title	Methods of Forming Material on a Substrate, and ...
Express Mail Label No.	EV 318282565 US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 27]  
(preferred arrangement set forth below)
- Descriptive title of the invention Plus title page
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Formal Drawing(s) (35 U.S.C. 113) [Total Sheets 2]
5. Oath or Declaration [Total Pages 2]
- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement of Attorney (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.  
Check for \$1,204.00; Power of Attorney/Certificate by Assignee
17. ☒ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

☒ Customer Number or Bar Code Label 021567 or ☐ Correspondence address below  
(Insert Customer No. or Attach bar code label here)

Name	Mark S. Matkin				
Address	Wells St. John P.S. 601 West First Avenue, Suite 1300				
City	Spokane	State	WA	Zip Code	99201-3828
Country		Telephone	509-624-4276	Fax	509-838-3424

Name (Print/Type)	Mark S. Matkin	Registration No. (Attorney/Agent)	32,268
Signature		Date	8/6/03

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.


PTO/SB/17 (12/99)

Approved for use through 09/30/2000. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b style="font-size: 1.5em;">FEE TRANSMITTAL</b> <b style="font-size: 1.2em;">for FY 2003</b> <small>Patent fees are subject to annual revision.          Small Entity payments <u>must</u> be supported by a small entity statement,          otherwise large entity fees must be paid. See Forms PTO/SB/09-12.          See 37 C.F.R. §§ 1.27 and 1.28.</small>		<b>Complete if Known</b>	
		Application Number	Unknown
		Filing Date	Filed Herewith
		First Named Inventor	Gurtej S. Sandhu
		Examiner Name	Unknown
		Group / Art Unit	Unknown
TOTAL AMOUNT OF PAYMENT		(\$1,204.00)	
		Attorney Docket No. MI22-2194	

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)																																																																																																																																																																															
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <p>Deposit Account Number: <u>23-0924</u></p> <p>Deposit Account Name: <u>Wells St. John P.S.</u></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed:  <input checked="" type="checkbox"/> Check    <input type="checkbox"/> Money Order    <input type="checkbox"/> Other</p>	<p>3. ADDITIONAL FEES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205 65 Surcharge - late filing fee or oath</td><td>0.00</td></tr> <tr><td>127</td><td>50</td><td>227 25 Surcharge - late provisional filing fee or cover sheet</td><td>0.00</td></tr> <tr><td>139</td><td>130</td><td>139 130 Non-English specification</td><td>0.00</td></tr> <tr><td>147</td><td>2,520</td><td>147 2,520 For filing a request for reexamination</td><td>0.00</td></tr> <tr><td>112</td><td>920*</td><td>112 920* Requesting publication of SIR prior to Examiner action</td><td>0.00</td></tr> <tr><td>113</td><td>1,840*</td><td>113 1,840* Requesting publication of SIR after Examiner action</td><td>0.00</td></tr> <tr><td>115</td><td>110</td><td>215 55 Extension for reply within first month</td><td>0.00</td></tr> <tr><td>116</td><td>380</td><td>216 190 Extension for reply within second month</td><td>0.00</td></tr> <tr><td>117</td><td>870</td><td>217 435 Extension for reply within third month</td><td>0.00</td></tr> <tr><td>118</td><td>1,360</td><td>218 680 Extension for reply within fourth month</td><td>0.00</td></tr> <tr><td>128</td><td>1,850</td><td>228 925 Extension for reply within fifth month</td><td>0.00</td></tr> <tr><td>119</td><td>300</td><td>219 150 Notice of Appeal</td><td>0.00</td></tr> <tr><td>120</td><td>300</td><td>220 150 Filing a brief in support of an appeal</td><td>0.00</td></tr> <tr><td>121</td><td>260</td><td>221 130 Request for oral hearing</td><td>0.00</td></tr> <tr><td>138</td><td>1,510</td><td>138 1,510 Petition to institute a public use proceeding</td><td>0.00</td></tr> <tr><td>140</td><td>110</td><td>240 55 Petition to revive - unavoidable</td><td>0.00</td></tr> <tr><td>141</td><td>1,210</td><td>241 605 Petition to revive - unintentional</td><td>0.00</td></tr> <tr><td>142</td><td>1,210</td><td>242 605 Utility issue fee (or reissue)</td><td>0.00</td></tr> <tr><td>143</td><td>430</td><td>243 215 Design issue fee</td><td>0.00</td></tr> <tr><td>144</td><td>580</td><td>244 290 Plant issue fee</td><td>0.00</td></tr> <tr><td>122</td><td>130</td><td>122 130 Petitions to the Commissioner</td><td>0.00</td></tr> <tr><td>123</td><td>50</td><td>123 50 Petitions related to provisional applications</td><td>0.00</td></tr> <tr><td>126</td><td>240</td><td>126 240 Submission of Information Disclosure Stmt</td><td>0.00</td></tr> <tr><td>581</td><td>40</td><td>581 40 Recording each patent assignment per property (times number of properties)</td><td>40.00</td></tr> <tr><td>146</td><td>690</td><td>246 345 Filing a submission after final rejection (37 CFR § 1.129(a))</td><td>0.00</td></tr> <tr><td>149</td><td>690</td><td>249 345 For each additional invention to be examined (37 CFR § 1.129(b))</td><td>0.00</td></tr> <tr><td colspan="3">Other fee (specify) _____</td><td>0.00</td></tr> <tr><td colspan="3">Other fee (specify) _____</td><td>0.00</td></tr> <tr> <td colspan="2"> <p>1. BASIC FILING FEE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>690</td><td>201 345 Utility filing fee</td><td>750.00</td></tr> <tr><td>106</td><td>310</td><td>206 155 Design filing fee</td><td></td></tr> <tr><td>107</td><td>480</td><td>207 240 Plant filing fee</td><td></td></tr> <tr><td>108</td><td>690</td><td>208 345 Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150</td><td>214 75 Provisional filing fee</td><td></td></tr> <tr> <td colspan="3">SUBTOTAL (1)</td> <td>(\$ 750.00)</td> </tr> </tbody> </table> <p>2. EXTRA CLAIM FEES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203 9 Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>78</td><td>202 39 Independent claims in excess of 3</td><td></td></tr> <tr><td>104</td><td>260</td><td>204 130 Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>109</td><td>78</td><td>209 39 ** Reissue independent claims over original patent</td><td></td></tr> <tr><td>110</td><td>18</td><td>210 9 ** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="3">SUBTOTAL (2)</td> <td>(\$ 414.00)</td> </tr> </tbody> </table> </td> <td> <p>3. SUBTOTAL (3) (\$ 40.00)</p> <p>* Reduced by Basic Filing Fee Paid</p> </td> </tr> </tbody></table>	Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	105	130	205 65 Surcharge - late filing fee or oath	0.00	127	50	227 25 Surcharge - late provisional filing fee or cover sheet	0.00	139	130	139 130 Non-English specification	0.00	147	2,520	147 2,520 For filing a request for reexamination	0.00	112	920*	112 920* Requesting publication of SIR prior to Examiner action	0.00	113	1,840*	113 1,840* Requesting publication of SIR after Examiner action	0.00	115	110	215 55 Extension for reply within first month	0.00	116	380	216 190 Extension for reply within second month	0.00	117	870	217 435 Extension for reply within third month	0.00	118	1,360	218 680 Extension for reply within fourth month	0.00	128	1,850	228 925 Extension for reply within fifth month	0.00	119	300	219 150 Notice of Appeal	0.00	120	300	220 150 Filing a brief in support of an appeal	0.00	121	260	221 130 Request for oral hearing	0.00	138	1,510	138 1,510 Petition to institute a public use proceeding	0.00	140	110	240 55 Petition to revive - unavoidable	0.00	141	1,210	241 605 Petition to revive - unintentional	0.00	142	1,210	242 605 Utility issue fee (or reissue)	0.00	143	430	243 215 Design issue fee	0.00	144	580	244 290 Plant issue fee	0.00	122	130	122 130 Petitions to the Commissioner	0.00	123	50	123 50 Petitions related to provisional applications	0.00	126	240	126 240 Submission of Information Disclosure Stmt	0.00	581	40	581 40 Recording each patent assignment per property (times number of properties)	40.00	146	690	246 345 Filing a submission after final rejection (37 CFR § 1.129(a))	0.00	149	690	249 345 For each additional invention to be examined (37 CFR § 1.129(b))	0.00	Other fee (specify) _____			0.00	Other fee (specify) _____			0.00	<p>1. BASIC FILING FEE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>690</td><td>201 345 Utility filing fee</td><td>750.00</td></tr> <tr><td>106</td><td>310</td><td>206 155 Design filing fee</td><td></td></tr> <tr><td>107</td><td>480</td><td>207 240 Plant filing fee</td><td></td></tr> <tr><td>108</td><td>690</td><td>208 345 Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150</td><td>214 75 Provisional filing fee</td><td></td></tr> <tr> <td colspan="3">SUBTOTAL (1)</td> <td>(\$ 750.00)</td> </tr> </tbody> </table> <p>2. EXTRA CLAIM FEES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203 9 Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>78</td><td>202 39 Independent claims in excess of 3</td><td></td></tr> <tr><td>104</td><td>260</td><td>204 130 Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>109</td><td>78</td><td>209 39 ** Reissue independent claims over original patent</td><td></td></tr> <tr><td>110</td><td>18</td><td>210 9 ** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="3">SUBTOTAL (2)</td> <td>(\$ 414.00)</td> </tr> </tbody> </table>		Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	101	690	201 345 Utility filing fee	750.00	106	310	206 155 Design filing fee		107	480	207 240 Plant filing fee		108	690	208 345 Reissue filing fee		114	150	214 75 Provisional filing fee		SUBTOTAL (1)			(\$ 750.00)	Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	103	18	203 9 Claims in excess of 20		102	78	202 39 Independent claims in excess of 3		104	260	204 130 Multiple dependent claim, if not paid		109	78	209 39 ** Reissue independent claims over original patent		110	18	210 9 ** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)			(\$ 414.00)	<p>3. SUBTOTAL (3) (\$ 40.00)</p> <p>* Reduced by Basic Filing Fee Paid</p>
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid																																																																																																																																																																													
105	130	205 65 Surcharge - late filing fee or oath	0.00																																																																																																																																																																													
127	50	227 25 Surcharge - late provisional filing fee or cover sheet	0.00																																																																																																																																																																													
139	130	139 130 Non-English specification	0.00																																																																																																																																																																													
147	2,520	147 2,520 For filing a request for reexamination	0.00																																																																																																																																																																													
112	920*	112 920* Requesting publication of SIR prior to Examiner action	0.00																																																																																																																																																																													
113	1,840*	113 1,840* Requesting publication of SIR after Examiner action	0.00																																																																																																																																																																													
115	110	215 55 Extension for reply within first month	0.00																																																																																																																																																																													
116	380	216 190 Extension for reply within second month	0.00																																																																																																																																																																													
117	870	217 435 Extension for reply within third month	0.00																																																																																																																																																																													
118	1,360	218 680 Extension for reply within fourth month	0.00																																																																																																																																																																													
128	1,850	228 925 Extension for reply within fifth month	0.00																																																																																																																																																																													
119	300	219 150 Notice of Appeal	0.00																																																																																																																																																																													
120	300	220 150 Filing a brief in support of an appeal	0.00																																																																																																																																																																													
121	260	221 130 Request for oral hearing	0.00																																																																																																																																																																													
138	1,510	138 1,510 Petition to institute a public use proceeding	0.00																																																																																																																																																																													
140	110	240 55 Petition to revive - unavoidable	0.00																																																																																																																																																																													
141	1,210	241 605 Petition to revive - unintentional	0.00																																																																																																																																																																													
142	1,210	242 605 Utility issue fee (or reissue)	0.00																																																																																																																																																																													
143	430	243 215 Design issue fee	0.00																																																																																																																																																																													
144	580	244 290 Plant issue fee	0.00																																																																																																																																																																													
122	130	122 130 Petitions to the Commissioner	0.00																																																																																																																																																																													
123	50	123 50 Petitions related to provisional applications	0.00																																																																																																																																																																													
126	240	126 240 Submission of Information Disclosure Stmt	0.00																																																																																																																																																																													
581	40	581 40 Recording each patent assignment per property (times number of properties)	40.00																																																																																																																																																																													
146	690	246 345 Filing a submission after final rejection (37 CFR § 1.129(a))	0.00																																																																																																																																																																													
149	690	249 345 For each additional invention to be examined (37 CFR § 1.129(b))	0.00																																																																																																																																																																													
Other fee (specify) _____			0.00																																																																																																																																																																													
Other fee (specify) _____			0.00																																																																																																																																																																													
<p>1. BASIC FILING FEE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>690</td><td>201 345 Utility filing fee</td><td>750.00</td></tr> <tr><td>106</td><td>310</td><td>206 155 Design filing fee</td><td></td></tr> <tr><td>107</td><td>480</td><td>207 240 Plant filing fee</td><td></td></tr> <tr><td>108</td><td>690</td><td>208 345 Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150</td><td>214 75 Provisional filing fee</td><td></td></tr> <tr> <td colspan="3">SUBTOTAL (1)</td> <td>(\$ 750.00)</td> </tr> </tbody> </table> <p>2. EXTRA CLAIM FEES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203 9 Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>78</td><td>202 39 Independent claims in excess of 3</td><td></td></tr> <tr><td>104</td><td>260</td><td>204 130 Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>109</td><td>78</td><td>209 39 ** Reissue independent claims over original patent</td><td></td></tr> <tr><td>110</td><td>18</td><td>210 9 ** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="3">SUBTOTAL (2)</td> <td>(\$ 414.00)</td> </tr> </tbody> </table>		Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	101	690	201 345 Utility filing fee	750.00	106	310	206 155 Design filing fee		107	480	207 240 Plant filing fee		108	690	208 345 Reissue filing fee		114	150	214 75 Provisional filing fee		SUBTOTAL (1)			(\$ 750.00)	Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	103	18	203 9 Claims in excess of 20		102	78	202 39 Independent claims in excess of 3		104	260	204 130 Multiple dependent claim, if not paid		109	78	209 39 ** Reissue independent claims over original patent		110	18	210 9 ** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)			(\$ 414.00)	<p>3. SUBTOTAL (3) (\$ 40.00)</p> <p>* Reduced by Basic Filing Fee Paid</p>																																																																																																																						
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid																																																																																																																																																																													
101	690	201 345 Utility filing fee	750.00																																																																																																																																																																													
106	310	206 155 Design filing fee																																																																																																																																																																														
107	480	207 240 Plant filing fee																																																																																																																																																																														
108	690	208 345 Reissue filing fee																																																																																																																																																																														
114	150	214 75 Provisional filing fee																																																																																																																																																																														
SUBTOTAL (1)			(\$ 750.00)																																																																																																																																																																													
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid																																																																																																																																																																													
103	18	203 9 Claims in excess of 20																																																																																																																																																																														
102	78	202 39 Independent claims in excess of 3																																																																																																																																																																														
104	260	204 130 Multiple dependent claim, if not paid																																																																																																																																																																														
109	78	209 39 ** Reissue independent claims over original patent																																																																																																																																																																														
110	18	210 9 ** Reissue claims in excess of 20 and over original patent																																																																																																																																																																														
SUBTOTAL (2)			(\$ 414.00)																																																																																																																																																																													

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Mark S. Matkin	Registration No. (Attorney/Agent)	32,268
Signature		Telephone	509-624-4276
		Date	8/6/03

**WARNING:**

Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.